

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365364

Luminaire Tested: **FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8030-F6LBXVM1-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1166.0 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

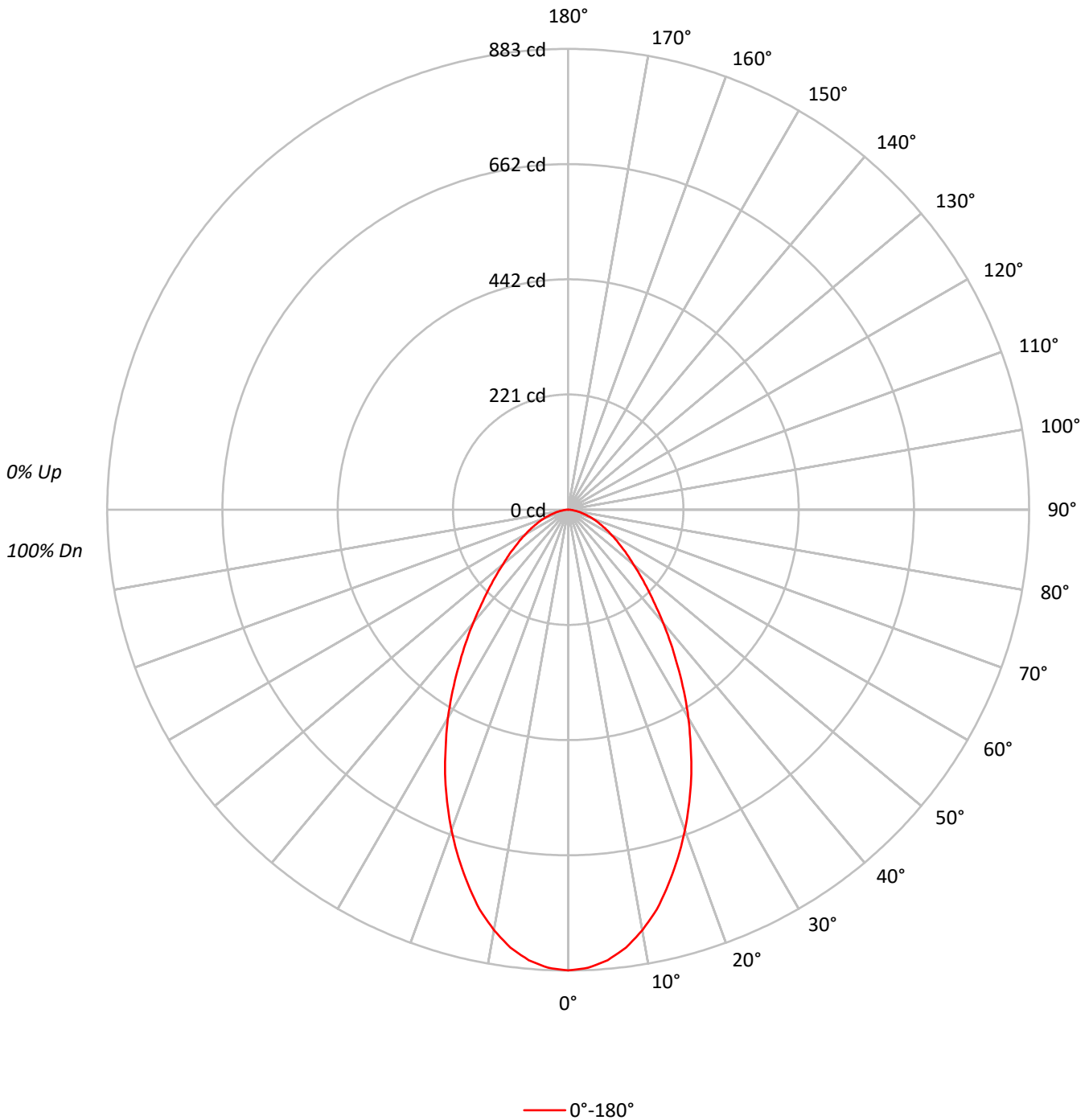
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63203
5°	62280
10°	59481
15°	55062
20°	49787
25°	44084
30°	38074
35°	31905
40°	26386
45°	21781
50°	18202
55°	15604
60°	13576
65°	11961
70°	10405
75°	8742
80°	7216
85°	5504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	7.0
10°-20°	207.5	17.8
20°-30°	255.3	21.9
30°-40°	228.9	19.6
40°-50°	167.5	14.4
50°-60°	113.3	9.7
60°-70°	70.4	6.0
70°-80°	34.0	2.9
80°-90°	8.0	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	544.0	46.7
0°-40°	772.8	66.3
0°-60°	1053.6	90.4
0°-90°	1166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	883	
5°	866	81
15°	743	208
25°	558	255
35°	365	229
45°	215	167
55°	125	113
65°	71	70
75°	32	34
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	882.7
2.5°	878.6
5°	866.5
7.5°	846.4
10°	818.1
12.5°	784.5
15°	742.8
17.5°	699.1
20°	653.4
22.5°	606.4
25°	558.0
27.5°	507.5
30°	460.5
32.5°	412.1
35°	365.0
37.5°	322.7
40°	282.3
42.5°	246.0
45°	215.1
47.5°	187.6
50°	163.4
52.5°	143.9
55°	125.0
57.5°	109.6
60°	94.8
62.5°	82.0
65°	70.6
67.5°	59.8
70°	49.7
72.5°	40.3
75°	31.6
77.5°	23.5
80°	17.5
82.5°	11.4
85°	6.7
87.5°	2.7
90°	0.0

(END OF REPORT)